

Filing February 13, 2002
Appln 10/075,065
Title: "Railcar Condition Inspection Database" (Moser, et a. Attorney: Stephen T. Scherrer (Reg. No. 45, 080)
Tel: (312) 372-2000
Fax: (312) 984-7700
Sheet 2 of 9
Docket No. 47440-044001

## FIG. 2

|                         | Box Car Co                            | ondition Report         | Date : MM/DD/Y\<br>Time : TT:TT:TT |
|-------------------------|---------------------------------------|-------------------------|------------------------------------|
| Car Numb                | Ins                                   | pector:                 | Inspection Location:               |
| Car Numb:               |                                       |                         |                                    |
| Date:Upmarket per SOW?: |                                       | SOW Number:             | *SOW = Scope of Work               |
| Car Body                | Side sheet dents                      | ·                       | :                                  |
|                         | Broken welds                          |                         | :                                  |
|                         | Car Body Corrosion                    |                         | :                                  |
|                         | End sheets bowed more than 4"         |                         | ·                                  |
|                         | Side post interference with door oper |                         | :                                  |
|                         | Evidence of roof leak                 | •                       | :                                  |
| Lading                  | Car equipped with la                  | •                       | : <u></u>                          |
|                         | Car equipped with lo                  | •                       |                                    |
|                         | Load dividers inoperate               | able                    | ·                                  |
| Floor                   | Broken or missing flo                 |                         | :                                  |
|                         | Light showing through                 | h floor                 | :                                  |
|                         | Protrusions                           |                         | :                                  |
|                         | Dents greater than 1 inch             |                         | :                                  |
|                         | Missing caulk                         |                         | :                                  |
|                         | Contamination - leak                  | s, odors, dirt, old cmd | l :                                |
|                         | Old commodity                         |                         | •                                  |
| Interior Walls          | Large dented areas                    |                         | :                                  |
|                         | Loose, broken welds                   | ;                       | :                                  |
|                         | Sharp edge or protru                  | sions over 1/8          | :                                  |
|                         | End lining bent over                  | 4"                      | :                                  |
|                         | Lining contamination                  | - leaks, odors, dirt    | :                                  |
| <u>Doors</u>            | Bent or broken door                   | track & retainers       | :                                  |
|                         | Missing hardware                      |                         | :                                  |
|                         | Door leaks                            |                         | ·                                  |
|                         | Inoperable                            |                         | •                                  |
| Cushioning              | Defective cushioning                  | or draft units          | •                                  |
| <u>Trucks</u>           | Friction casting wedge                | ge rise                 | ·                                  |
|                         | Worn gibs                             |                         | ·                                  |
|                         | Broken springs                        |                         | ·                                  |
|                         | Defective center plat                 | :e                      | :                                  |
| <u>Structural</u>       | Center sill bent                      |                         | ·<br>·                             |
| Exterior Paint          | Customer logo's                       |                         | :                                  |
|                         | Graffiti                              |                         | ·                                  |
|                         | Paint condition                       |                         | :                                  |
| Interchange De          |                                       |                         | :                                  |
| Overall Condition       |                                       |                         | :                                  |
| Repair Disposit         | <u>tion</u>                           |                         | •                                  |

Comments:

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## FIG. 3

|                         | Hopper                                         | Car Conditio | n Report            | Date: MM<br>Time: TT: |  |
|-------------------------|------------------------------------------------|--------------|---------------------|-----------------------|--|
| Car Numb:               |                                                | Inspector:   |                     |                       |  |
| Date:                   |                                                | Storage Loc  | ation:              | •                     |  |
| Date:Upmarket per SOW?: |                                                | SOW Number:  |                     | *SOW = Scope of Work  |  |
| Car Body                | Side sheet dents                               |              |                     | : <u></u>             |  |
|                         | Broken or loose running boards<br>Broken Welds |              | •                   |                       |  |
|                         |                                                |              | :                   |                       |  |
|                         | Corrosion                                      |              |                     | :                     |  |
|                         | Missing, broken, loose vibrator casting        |              | ·                   |                       |  |
| <u>Lading</u>           | Leaking gates / h                              |              |                     | :                     |  |
|                         | Abrasions or cut gaskets                       |              |                     | :                     |  |
|                         | Broken hatch cov                               |              |                     | : <u></u>             |  |
| <u>Lining</u>           | Car lined ? Y/N :                              |              | Lining Date: MM/DD/ | CCYY                  |  |
|                         | Lining Condition                               |              |                     | <del></del>           |  |
|                         | Rust bleed                                     | •            |                     | <del>:</del>          |  |
|                         | Loose or flaking a                             |              |                     | <u> </u>              |  |
| lmhanian                | Stains or discoloration                        |              | <del>:</del>        |                       |  |
| <u>Interior</u>         | Evidence of leaks                              |              |                     | : <del></del>         |  |
|                         | Broken partition welds                         |              |                     | : <del></del>         |  |
|                         | Old commodity                                  |              |                     | ·                     |  |
| Condomnation            | Rust                                           |              |                     | ·                     |  |
| Condemnation            | Dorocity undere                                | rt varalala  |                     | -                     |  |
|                         | Porosity, undercu                              |              |                     | •                     |  |
|                         | Suitable for                                   |              | Y/N                 | •                     |  |
| Trucks                  |                                                | _            | 1714                | •                     |  |
| Trucks                  | Friction casting w Worn gibs                   | reage rise   |                     | :                     |  |
|                         | Broken springs                                 |              |                     | : <del></del>         |  |
|                         | Defective center                               | nlate        |                     | : <del></del>         |  |
| Structural              | Center sill bent                               | piace        |                     | · ——                  |  |
| Exterior Paint          | Customer Logo's                                |              |                     | •                     |  |
| <u>LAterior i airit</u> | Graffiti                                       |              |                     | · <del></del>         |  |
|                         | Commodity spilla                               | ae           |                     |                       |  |
|                         | Paint condition                                |              | :                   |                       |  |
| Interchange De          |                                                |              |                     | :                     |  |
| Overall Condition       |                                                |              |                     | ; <del></del>         |  |
| Repair Dispositi        |                                                |              |                     | :                     |  |
| Comments:               |                                                |              |                     |                       |  |

General Purpose Tank Car Condition Report Date: MM/DD/YY Time: TT:TT:TT Car Frumb: = Inspector: Inspection Location: MAK/DD/CCTT Date: Storage Location : Opmarket per SOW ? : SOW Number: Car Body Shell bent or buckled Jacket bent, buckled or corroded Bottom Outlet Valve Require application of skid protection: Missing or defective caps and chains : Top Valves and Accessories Missing or non-approved valves Corroded or inoperative valves Y/S Require eduction pipe reinforcement Gaskets worn, broken or missing Gaskots Lining Date = MM/DD/CCYY Lining Car lined? Y/N : Lining Condition Rust bleed Loose or flaking areas Stains or discoloration <u>Interior</u> Rust Corrosion Interior residue or film Water present Linable condition Suitable for lining? Y/N Require weld overlay repair Requires tank insert repairs Porosity, undercut welds Brackets, sharp edges or transitions Trucks Friction casting wedge rise Worn gibs Broken springs Defective center plate Structural Center or stub sill bent Exterior Paint Customer Logo's Graffiti Commodity spillage Paint Condition Interchange Defects Overall Condition Comments:

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## FIG. 5

| Ope                     | n Top Hooper & C   | Sondola a Car Conditio | п кероп    | Time: TT:TT:TT       |  |  |
|-------------------------|--------------------|------------------------|------------|----------------------|--|--|
| Car Numb:               |                    | Inspector:             | Inspection | on Location:         |  |  |
| Date:                   |                    | Storage Location:      | - ,        |                      |  |  |
| Date:Upmarket per SOW?: |                    | SOW Number:            | _ *SOW=    | *SOW = Scope of Work |  |  |
| Car Body                | End and side sh    | eets broken            | : <u></u>  | _                    |  |  |
|                         | End and side sh    | eets bowed             | :          | _                    |  |  |
|                         | Top chords bow     | Top chords bowed       |            | _                    |  |  |
|                         | Broken welds       |                        | :          | _                    |  |  |
|                         | Corrosion          |                        | : <u> </u> | _                    |  |  |
| Lading                  | Leaking gates      |                        | :          | _                    |  |  |
|                         | Gates inoperabl    | е                      | :          | _                    |  |  |
| Interior                | Broken floor she   | eets                   | : <u> </u> | _                    |  |  |
|                         | Broken supports    | 3                      | :          | _                    |  |  |
|                         | Broken corner c    |                        | :          |                      |  |  |
|                         | Interior corrosion | n .                    | :          | _                    |  |  |
|                         | Old Commodity      |                        | :          | _                    |  |  |
| Trucks                  | Friction casting   | wedge rise             | :          |                      |  |  |
|                         | Worn gibs          | •                      | :          |                      |  |  |
|                         | Broken springs     |                        | :          |                      |  |  |
|                         | Defective center   | plate                  | :          |                      |  |  |
| Structural              | Center sill bent   |                        | :          | _                    |  |  |
| Exterior Paint          | Customers Logo     | o's                    | :          | _                    |  |  |
|                         | Graffiti           |                        |            | _                    |  |  |
|                         | Commodity spill    | age                    | :          | -                    |  |  |
|                         | Paint condition    |                        | :          | _                    |  |  |
| Interchange De          |                    |                        | :          | -                    |  |  |
| Overall Condition       |                    | ż                      | :          | <del>-</del>         |  |  |
| Repair Dispositi        |                    |                        | •          | _                    |  |  |
|                         | . <del></del>      |                        |            | -                    |  |  |

**Comments** 

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Inspection Location:

Plastic Pellet Car Condition Report Date: MM/DD/YY Time: TT:TT:TT

Car Monb: Inspector: Date: MM/DD/CCTY Storage Location :

Upmarket per SOW ? : SOW Number: .

Car Body Side sheet dents and/or hammer marks :

Broken Welds Corrosion

Roof sheet buckles

Outlet Gates Gates need upgrade modification

Gates difficult to operate, need att. :

Missing or defective hardware

Gates & tubes req. buffing/other attn.:

Hatch Covers Require vented hatch covers Hatch covers req. latch upgrade

Broken hatch covers

End vents require attention

Manway rings req. buffing/other attn. :

Hatch cover gaskets requires attn.

Car lined ? Y/N : Lining Date : MM/DD/CCYY Lining

Lining condition

Rust bleed

Loose or flaking areas

Stains or discoloration

Interior Evidence of leaks

Broken partition welds

Old commodity

Rust

Condensation

Porosity undercut welds

Brackets, sharp edges or transitions

Intermittent or caulked welds

Deep discoloration from old commodity :

Suitable for lining ?

Vents req. modification/ other attn. Vents

Trucks Friction casting wedge rise

Worn gibs

Broken springs

Defective center plate

Structural Center sill bent

Exterior Paint Customer logo "

Graffiti .

Commodity spillage

Paint condition

Interchange Defects
Overall Condition

Repair Disposition

Comments:

F16.6

PRINT OF GRAWINGS

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Pressure Differential Car Condition Report Date: MM/DD/YY Time: TT:TT:TT Inspector: Inspection Location: Car Momb: MM/DD/CCTF , Storage Location : Date: Upmarket per SOW ? : SOW Number: Car Body Side sheet demts and/or hammer marks Broken or loome running Broken welds Corresion Roof sheet bunkles Outlet System Bone gage box & hardware Defective pigging, couplings & swivels : Butterfly values broken/sign of leakage: Defective blam down Missing/defective pipe caps 4 gaskets : Wet and/or dirty aerator pads Broken or stammed aerator pads Hatch Covers Defect/missing hatch cover hardwar: Defective/missing hatch cover gaskets : Broken hatch covers Car lined ? Y/N : Lining Dante : MM/DD/CCYY <u>Lining</u> Rust bleed . : Loose or flaking areas Stains or discoloration Lining Condition Interior Evidence of Lemaks Old commodity Rust Condensation Porosity undercut welds Brackets, shamp edges or transitions Intermittent or caulked welds Deep discoloration from old commodity : Suitable for lining ? Friction casting wedge rise Trucks Worn gibs Broken springs Defective cemmer plate Structural Center sill bent Exterior Paint Customer logo Graffiti

Comments:

Interchange Defects
Overall Condition
Repair Disposition

Commodity spillage Paint condition

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## FIG. 8

|                  | Pressure             | e Tank Car Condition Re      |             | rt Date : MM/DD/YY<br>Time : TT:TT:TT |  |  |
|------------------|----------------------|------------------------------|-------------|---------------------------------------|--|--|
| Car Numb:        |                      | Inspector:                   |             |                                       |  |  |
| Date:            |                      | Storage Location:            | •           | <del></del>                           |  |  |
| Upmarket per S   | OW?:                 | Storage Location:SOW Number: | _ *SOW = S  | Scope of Work                         |  |  |
| Car Body         | Shell bent or bu     | ckled                        | :           |                                       |  |  |
|                  | Jacket bent, bud     | kled or corroded             | :           |                                       |  |  |
|                  | Corrosion            |                              | :           |                                       |  |  |
|                  | Roof sheet buck      | des                          | :           |                                       |  |  |
| Top Valves & Ad  | ccessories           |                              |             |                                       |  |  |
|                  | Missing or non-a     | approved valves              | :           |                                       |  |  |
|                  | Corroded or ino      |                              | :           |                                       |  |  |
|                  |                      | tive plugs and chains        | :           |                                       |  |  |
| Gaskets          |                      | roken or missing             | :           |                                       |  |  |
| Interior         | Rust                 | •                            | :           |                                       |  |  |
|                  | Corrosion            |                              | :           |                                       |  |  |
|                  | Interior residue     | or film                      | :           |                                       |  |  |
| Trucks           | Friction casting     | wedge rise                   | :           |                                       |  |  |
|                  | Worn gibs            | 9                            | :           |                                       |  |  |
|                  | Broken Springs       |                              | :           |                                       |  |  |
|                  | Defective center     | · plate                      | :           |                                       |  |  |
| Structural       | Center or stub s     |                              | :           |                                       |  |  |
| Exterior Paint   | <b>Customer Logo</b> |                              | :           |                                       |  |  |
|                  | Graffiti             |                              | :           |                                       |  |  |
|                  | Commodity spill      | age                          | :           |                                       |  |  |
|                  | Paint condition      |                              | :           |                                       |  |  |
| Exterior Coating |                      | a rea. (DÒT)                 | :           |                                       |  |  |
|                  | Thermobond pro       |                              | :           |                                       |  |  |
|                  | Thermobond pro       |                              | :           |                                       |  |  |
| Interchange Def  | •                    | <del>-  </del>               | :           |                                       |  |  |
| Overall Conditio |                      |                              | :           |                                       |  |  |
| Comments         | _                    |                              | <del></del> |                                       |  |  |

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Comments:

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\_Condition\_Form

Date : MM/DD/YY Time : TT:TT:TT

| Car Number:         | Inspector: Inspecti                   | on Location.      |  |
|---------------------|---------------------------------------|-------------------|--|
| Upmarket per SOW ?  |                                       | V = Scope of Work |  |
|                     |                                       |                   |  |
| Car Body:           | Side sheet dents                      | :                 |  |
|                     | Broken welds                          | :                 |  |
|                     | Car body corrosion                    | :                 |  |
| Lading:             | Trailer Hitches                       | :                 |  |
| , ,                 | Tie Down and Load Restraining Devices | ; ==              |  |
| Floor:              | Broken or missing flooring            |                   |  |
|                     | Defective cushioning or draft units   | :                 |  |
|                     | Friction casting wedge rise           | :                 |  |
|                     | Worn gibs                             | :                 |  |
|                     | Broken Springs                        | :                 |  |
|                     | Defective center plate                | :                 |  |
| Structural:         | Center sill bent                      | :                 |  |
|                     | Customer logo's                       | :                 |  |
|                     | Graffiti                              | :                 |  |
|                     | Paint condition                       | :                 |  |
| Interchange:        |                                       | :                 |  |
| Overall_Condition:  |                                       | :                 |  |
| Repair Disposition: | •                                     | :                 |  |

F16.9